

Ben M Chen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

272
papers

5,707
citations

37
h-index

67
g-index

333
ext. papers

7,353
ext. citations

3.2
avg, IF

6
L-index

#	Paper	IF	Citations
272	An analysis and design method for linear systems subject to actuator saturation and disturbance. <i>Automatica</i> , 2002 , 38, 351-359	5.7	522
271	Analysis and design for discrete-time linear systems subject to actuator saturation. <i>Systems and Control Letters</i> , 2002 , 45, 97-112	2.4	308
270	SO-Net: Self-Organizing Network for Point Cloud Analysis 2018 ,		293
269	. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 427-439	5.9	276
268	Unmanned Rotorcraft Systems. <i>Advances in Industrial Control</i> , 2011 ,	0.3	147
267	. <i>IEEE Transactions on Education</i> , 2001 , 44, 76-86	2.1	129
266	Design and implementation of an autonomous flight control law for a UAV helicopter. <i>Automatica</i> , 2009 , 45, 2333-2338	5.7	104
265	. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 3426-3434	8.9	104
264	Design and implementation of a robust and nonlinear flight control system for an unmanned helicopter. <i>Mechatronics</i> , 2011 , 21, 803-820	3	93
263	An H/sub /spl infin// almost disturbance decoupling robust controller design for a piezoelectric bimorph actuator with hysteresis. <i>IEEE Transactions on Control Systems Technology</i> , 1999 , 7, 160-174	4.8	87
262	. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 1735-1745	8.9	86
261	Structured H-Infinity Command and Control-Loop Design for Unmanned Helicopters. <i>Journal of Guidance, Control, and Dynamics</i> , 2008 , 31, 1093-1102	2.1	86
260	Hybrid three-dimensional formation control for unmanned helicopters. <i>Automatica</i> , 2013 , 49, 424-433	5.7	80
259	Robust and H _∞ Control. <i>Communications and Control Engineering</i> , 2000 ,	0.6	80
258	H-Infinity Static Output-feedback Control for Rotorcraft. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2009 , 54, 629-646	2.9	76
257	Loop Transfer Recovery 1993 ,		75
256	. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 1038-1049	8.9	74

255	. <i>IEEE Transactions on Control Systems Technology</i> , 2005 , 13, 708-721	4.8	73
254	Composite nonlinear control with state and measurement feedback for general multivariable systems with input saturation. <i>Systems and Control Letters</i> , 2005 , 54, 455-469	2.4	72
253	UAV LiDAR for below-canopy forest surveys. <i>Journal of Unmanned Vehicle Systems</i> , 2013 , 01, 61-68	2.7	71
252	Improving Transient Performance in Tracking General References Using Composite Nonlinear Feedback Control and Its Application to High-Speed $\$XY\$$ -Table Positioning Mechanism. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 1039-1051	8.9	71
251	Perspective rectification of document images using fuzzy set and morphological operations. <i>Image and Vision Computing</i> , 2005 , 23, 541-553	3.7	70
250	Design and implementation of a hardware-in-the-loop simulation system for small-scale UAV helicopters. <i>Mechatronics</i> , 2009 , 19, 1057-1066	3	69
249	An output feedback /spl Hscr//sub /spl infin// controller design for linear systems subject to sensor nonlinearities. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2003 , 50, 914-921		63
248	. <i>IEEE Transactions on Control Systems Technology</i> , 2003 , 11, 16-23	4.8	59
247	A web-based virtual laboratory on a frequency modulation experiment. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2001 , 31, 295-303		59
246	Optimal sensor placement for target localisation and tracking in 2D and 3D. <i>International Journal of Control</i> , 2013 , 86, 1687-1704	1.5	55
245	Systematic design methodology and construction of UAV helicopters. <i>Mechatronics</i> , 2008 , 18, 545-558	3	55
244	Linear Systems Theory 2004 ,		54
243	Distributed control of angle-constrained cyclic formations using bearing-only measurements. <i>Systems and Control Letters</i> , 2014 , 63, 12-24	2.4	50
242	Design and implementation of a leader-follower cooperative control system for unmanned helicopters. <i>Journal of Control Theory and Applications</i> , 2010 , 8, 61-68		49
241	. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 1210-1219	8.9	48
240	On improvement of transient performance in tracking control for a class of nonlinear systems with input saturation. <i>Systems and Control Letters</i> , 2006 , 55, 132-138	2.4	44
239	Structural controllability of switched linear systems. <i>Automatica</i> , 2013 , 49, 3531-3537	5.7	42
238	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2006 , 11, 328-338	5.5	42

237	Development of a Real-time Onboard and Ground Station Software System for a UAV Helicopter. <i>Journal of Aerospace Computing, Information, and Communication</i> , 2007 , 4, 933-955		41
236	Hard Disk Drive Servo Systems. <i>Advances in Industrial Control</i> , 2002 ,	0.3	40
235	An overview on development of miniature unmanned rotorcraft systems. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2010 , 5, 1-14		37
234	. <i>IEEE Transactions on Control Systems Technology</i> , 2001 , 9, 221-233	4.8	36
233	Hybrid formation control of the Unmanned Aerial Vehicles. <i>Mechatronics</i> , 2011 , 21, 886-898	3	35
232	Design and implementation of a dual-stage actuated HDD servo system via composite nonlinear control approach. <i>Mechatronics</i> , 2004 , 14, 965-988	3	35
231	Theory of LTR for non-minimum phase systems, recoverable target loops, and recovery in a subspace Part 1. Analysis. <i>International Journal of Control</i> , 1991 , 53, 1067-1115	1.5	35
230	Modeling and Control System Design for a UAV Helicopter 2006 ,		31
229	Accurate 3D Localization for MAV Swarms by UWB and IMU Fusion 2018 ,		30
228	Graph-theoretic characterisations of structural controllability for multi-agent system with switching topology. <i>International Journal of Control</i> , 2013 , 86, 222-231	1.5	29
227	A new stable compensator design for exact and approximate loop transfer recovery. <i>Automatica</i> , 1991 , 27, 257-280	5.7	29
226	Design and Implementation of a Flight Control System for an Unmanned Rotorcraft using RPT Control Approach. <i>Asian Journal of Control</i> , 2013 , 15, 95-119	1.7	27
225	Finite-time stabilisation of cyclic formations using bearing-only measurements. <i>International Journal of Control</i> , 2014 , 87, 715-727	1.5	27
224	H _∞ disturbance observer design for high precision track following in hard disk drives. <i>IET Control Theory and Applications</i> , 2009 , 3, 1591-1598	2.5	27
223	Further results on almost disturbance decoupling with global asymptotic stability for nonlinear systems. <i>Automatica</i> , 1999 , 35, 709-717	5.7	26
222	Autonomous Navigation of UAV in Foliage Environment. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016 , 84, 259-276	2.9	25
221	A new approach to the design of mode switching control in hard disk drive servo systems. <i>Control Engineering Practice</i> , 2002 , 10, 925-939	3.9	25
220	A robust online path planning approach in cluttered environments for micro rotorcraft drones. <i>Control Theory and Technology</i> , 2016 , 14, 83-96	1	25

219	On Improving Transient Performance in Tracking Control for a Class of Nonlinear Discrete-Time Systems With Input Saturation. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 1307-1313	5.9	24
218	. <i>IEEE Transactions on Automatic Control</i> , 1994 , 39, 355-360	5.9	24
217	Comprehensive Nonlinear Modeling of an Unmanned-Aerial-Vehicle Helicopter 2008 ,		23
216	Systems design and implementation with jerk-optimized trajectory generation for UAV calligraphy. <i>Mechatronics</i> , 2015 , 30, 65-75	3	21
215	Deep learning for 2D scan matching and loop closure 2017 ,		21
214	Systematic Design and Implementation of a Micro Unmanned Quadrotor System. <i>Unmanned Systems</i> , 2014 , 02, 121-141	3	21
213	. <i>IEEE Industrial Electronics Magazine</i> , 2007 , 54, 1375-1386	6.2	21
212	. <i>IEEE Transactions on Automatic Control</i> , 1993 , 38, 248-261	5.9	21
211	Vision-aided Estimation of Attitude, Velocity, and Inertial Measurement Bias for UAV Stabilization. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016 , 81, 531-549	2.9	20
210	Autonomous reconfigurable hybrid tail-sitter UAV U-Lion. <i>Science China Information Sciences</i> , 2017 , 60, 1	3.4	20
209	Improving transient performance in tracking control for linear multivariable discrete-time systems with input saturation. <i>Systems and Control Letters</i> , 2007 , 56, 25-33	2.4	20
208	Design and Implementation of a Hybrid UAV With Model-Based Flight Capabilities. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 1114-1125	5.5	19
207	Adaptive estimation and rejection of unknown sinusoidal disturbances through measurement feedback for a class of non-minimum phase non-linear MIMO systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2006 , 20, 77-97	2.8	19
206	HControl and Its Applications. <i>Lecture Notes in Control and Information Sciences</i> , 1998 ,	0.5	19
205	Simultaneous finite- and infinite-zero assignments of linear systems. <i>Automatica</i> , 1995 , 31, 643-648	5.7	19
204	MLFCGAN: Multilevel Feature Fusion-Based Conditional GAN for Underwater Image Color Correction. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1488-1492	4.1	19
203	Vision-Based Target Three-Dimensional Geolocation Using Unmanned Aerial Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 8052-8061	8.9	18
202	A mono-camera and scanning laser range finder based UAV indoor navigation system 2013 ,		18

201	Design and mathematical modeling of a 4-standard-propeller (4SP) quadrotor 2012 ,		18
200	A brief overview on miniature fixed-wing unmanned aerial vehicles 2010 ,		18
199	Development of a vision-based ground target detection and tracking system for a small unmanned helicopter. <i>Science in China Series F: Information Sciences</i> , 2009 , 52, 2201-2215		18
198	On the problem of general structural assignments of linear systems through sensor/actuator selection. <i>Automatica</i> , 2003 , 39, 233-241	5.7	18
197	Linear systems toolkit in Matlab: structural decompositions and their applications. <i>Journal of Control Theory and Applications</i> , 2005 , 3, 287-294		18
196	Google map aided visual navigation for UAVs in GPS-denied environment 2015 ,		17
195	On the problem of robust and perfect tracking for linear systems with external disturbances. <i>International Journal of Control</i> , 2001 , 74, 158-174	1.5	17
194	. <i>IEEE Transactions on Automatic Control</i> , 1992 , 37, 358-363	5.9	17
193	Development of an Unmanned Coaxial Rotorcraft for the DARPA UAVForge Challenge. <i>Unmanned Systems</i> , 2013 , 01, 211-245	3	16
192	A partition approach for the restoration of camera images of planar and curled document. <i>Image and Vision Computing</i> , 2006 , 24, 837-848	3.7	16
191	Full and reduced-order observer-based controller design for H ₂ -optimization. <i>International Journal of Control</i> , 1993 , 58, 803-834	1.5	16
190	The discrete-time H _∞ control problem with measurement feedback. <i>International Journal of Robust and Nonlinear Control</i> , 1994 , 4, 457-479	3.6	16
189	Drones for cooperative search and rescue in post-disaster situation 2015 ,		15
188	. <i>IEEE Transactions on Control Systems Technology</i> , 2010 , 18, 294-306	4.8	15
187	Design, fabrication, sensor fusion, and control of a micro X _{UV} stage media platform for probe-based storage systems. <i>Mechatronics</i> , 2009 , 19, 1158-1168	3	15
186	Model Predictive Local Motion Planning With Boundary State Constrained Primitives. <i>IEEE Robotics and Automation Letters</i> , 2019 , 4, 3577-3584	4.2	14
185	Vision-based formation for UAVs 2014 ,		14
184	On properties of the special coordinate basis of linear systems. <i>International Journal of Control</i> , 1998 , 71, 981-1003	1.5	14

183	A non-recursive method for solving the general discrete-time riccati equations related to the H ∞ control problem. <i>International Journal of Robust and Nonlinear Control</i> , 1994 , 4, 503-519	3.6	14
182	Design and implementation of an unmanned aerial vehicle for autonomous firefighting missions 2016 ,		13
181	System integration of a vision-guided UAV for autonomous landing on moving platform 2016 ,		13
180	Discrete-time mode switching control with application to a PMSM position servo system. <i>Mechatronics</i> , 2013 , 23, 1191-1201	3	13
179	Comprehensive Nonlinear Modeling of a Miniature Unmanned Helicopter. <i>Journal of the American Helicopter Society</i> , 2012 , 57, 1-13	1.2	13
178	Robust and perfect tracking of discrete-time systems. <i>Automatica</i> , 2002 , 38, 293-299	5.7	13
177	High-Precision Multi-UAV Teaming for the First Outdoor Night Show in Singapore. <i>Unmanned Systems</i> , 2018 , 06, 39-65	3	12
176	Search and Rescue Using Multiple Drones in Post-Disaster Situation. <i>Unmanned Systems</i> , 2016 , 04, 83-96	3	11
175	A graph-theoretic characterization of structural controllability for multi-agent system with switching topology 2009 ,		11
174	Mappings of the finite and infinite zero structures and invertibility structures of general linear multivariable systems under the bilinear transformation. <i>Automatica</i> , 1998 , 34, 111-124	5.7	11
173	A leader-follower formation flight control scheme for UAV helicopters 2008 ,		11
172	Enhancement of GPS Signals for Automatic Control of a UAV Helicopter System 2007 ,		11
171	. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 2029-2037	2	11
170	Improvement of transient performance in tracking control for discrete-time systems with input saturation and disturbances. <i>IET Control Theory and Applications</i> , 2007 , 1, 65-74	2.5	11
169	Design for general H ∞ almost disturbance decoupling problem with measurement feedback and internal stability an eigenstructure assignment approach. <i>International Journal of Control</i> , 1998 , 71, 653-685	1.5	11
168	A non-iterative method for computing the infimum in H ∞ optimization. <i>International Journal of Control</i> , 1992 , 56, 1399-1418	1.5	11
167	Hierarchical hybrid modelling and control of an unmanned helicopter. <i>International Journal of Control</i> , 2014 , 87, 1779-1793	1.5	10
166	An efficient UAV navigation solution for confined but partially known indoor environments 2014 ,		10

165	Market turning points forecasting using wavelet analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 437, 184-197	3.3	10
164	Multi-layer flight control synthesis and analysis of a small-scale UAV helicopter 2010 ,		10
163	Solvability conditions for disturbance decoupling problems with static measurement feedback. <i>International Journal of Control</i> , 1997 , 68, 51-60	1.5	10
162	Necessary and sufficient conditions for a nonminimum phase plant to have a recoverable target loop. A stable compensator design for LTR. <i>Automatica</i> , 1992 , 28, 493-507	5.7	10
161	2016 ,		9
160	Autonomous navigation of UAV in forest 2014 ,		9
159	A high fidelity simulator for a quadrotor UAV using ROS and Gazebo 2015 ,		9
158	Attitude Control System Design for Unmanned Aerial Vehicles using H-Infinity and Loop-shaping Methods 2007 ,		9
157	A microdrive track following controller design using robust and perfect tracking control with nonlinear compensation. <i>Mechatronics</i> , 2005 , 15, 933-948	3	9
156	A simple algorithm for the stable/unstable decomposition of a linear discrete-time system. <i>International Journal of Control</i> , 1995 , 61, 255-260	1.5	9
155	. <i>IEEE Transactions on Automatic Control</i> , 1992 , 37, 70-78	5.9	9
154	On blocking zeros and strong stabilizability of linear multivariable systems. <i>Automatica</i> , 1992 , 28, 1051-1055	5.7	9
153	Design and Implementation of a Thrust-Vectored Unmanned Tail-Sitter with Reconfigurable Wings. <i>Unmanned Systems</i> , 2015 , 03, 143-162	3	8
152	Development of an unmanned tail-sitter with reconfigurable wings: U-Lion 2014 ,		8
151	Bisimilarity enforcing supervisory control for deterministic specifications. <i>Automatica</i> , 2014 , 50, 287-290	5.7	8
150	A bumpless hybrid supervisory control algorithm for the formation of unmanned helicopters. <i>Mechatronics</i> , 2013 , 23, 677-688	3	8
149	Online schedule for autonomy of multiple unmanned aerial vehicles. <i>Science China Information Sciences</i> , 2017 , 60, 1	3.4	8
148	Optimal deployment of mobile sensors for target tracking in 2D and 3D spaces. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2014 , 1, 24-30	7	8

147	Special Issue on Development of Autonomous Unmanned Aerial Vehicles. <i>Mechatronics</i> , 2011 , 21, 763-764	8
146	A MATLAB toolkit for composite nonlinear feedback control ¶Improving transient response in tracking control. <i>Journal of Control Theory and Applications</i> , 2010 , 8, 271-279	8
145	Multivehicle Flocking With Collision Avoidance via Distributed Model Predictive Control. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2651-2662	10.2 8
144	Toward Autonomy of Micro Aerial Vehicles in Unknown and Global Positioning System Denied Environments. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 7642-7651	8.9 8
143	Safe navigation of quadrotors with jerk limited trajectory. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2019 , 20, 107-119	2.2 7
142	Development of an Unmanned Helicopter for Vertical Replenishment. <i>Unmanned Systems</i> , 2015 , 03, 63-87	7
141	Cooperative control of multiple unmanned aerial systems for heavy duty carrying. <i>Annual Reviews in Control</i> , 2018 , 46, 44-57	10.3 7
140	Guidance, navigation and control of an unmanned helicopter for automatic cargo transportation 2014 ,	7
139	Platform design and mathematical modeling of an ultralight quadrotor micro aerial vehicle 2013 ,	7
138	Improved disturbance rejection with online adaptive pole-zero compensation on a Bshaped PZT active suspension. <i>Microsystem Technologies</i> , 2009 , 15, 1499-1508	1.7 7
137	On selection of nonlinear gain in composite nonlinear feedback control for a class of linear systems 2007 ,	7
136	Solutions to general H _∞ almost disturbance decoupling problem with measurement feedback and internal stability for discrete-time systems. <i>Automatica</i> , 2000 , 36, 1103-1122	5.7 7
135	Closed-form solutions to a class of H ₂ optimization problems. <i>International Journal of Control</i> , 1994 , 60, 41-70	1.5 7
134	Thruster Allocation and Mapping of Aerial and Aquatic Modes for a Morphable Multimodal Quadrotor. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 25, 2065-2074	5.5 7
133	IPMGAN: Integrating physical model and generative adversarial network for underwater image enhancement. <i>Neurocomputing</i> , 2021 , 453, 538-551	5.4 7
132	A Survey of Motion and Task Planning Techniques for Unmanned Multicopter Systems. <i>Unmanned Systems</i> , 2021 , 09, 165-198	3 7
131	Monocular vision-based autonomous navigation system on a toy quadcopter in unknown environments 2015 ,	6
130	A lightweight autonomous MAV for indoor search and rescue. <i>Asian Journal of Control</i> , 2019 , 21, 1732-1744	6

129	Identification of stock market forces in the system adaptation framework. <i>Information Sciences</i> , 2014 , 265, 105-122	7.7	6
128	Model-based optimal auto-transition and control synthesis for tail-sitter UAV KH-Lion 2017 ,		6
127	Minimum time control of helicopter UAVs using computational dynamic optimization 2011 ,		6
126	Null controllability of planar bimodal piecewise linear systems. <i>International Journal of Control</i> , 2011 , 84, 766-782	1.5	6
125	Non-iterative computation of infimum in discrete-time H _∞ optimization and solvability conditions for the discrete-time disturbance decoupling problem. <i>International Journal of Control</i> , 1996 , 65, 433-454	1.5	6
124	A Morphable Aerial-Aquatic Quadrotor with Coupled Symmetric Thrust Vectoring 2020 ,		6
123	Survey of autopilot for multi-rotor unmanned aerial vehicles 2016 ,		6
122	Deep Learning Based Automatic Crack Detection and Segmentation for Unmanned Aerial Vehicle Inspections 2019 ,		6
121	Modeling and forecasting of stock markets under a system adaptation framework. <i>Journal of Systems Science and Complexity</i> , 2012 , 25, 641-674	1	5
120	Distributed control of angle-constrained circular formations using bearing-only measurements 2013 ,		5
119	Comprehensive Modeling and Control of the Yaw Dynamics of a UAV Helicopter 2006 ,		5
118	Symbolic realization of asymptotic time-scale and eigenstructure assignment design method in multivariable control. <i>International Journal of Control</i> , 2006 , 79, 1471-1484	1.5	5
117	Solvability conditions and solutions to perfect regulation problem under measurement output feedback. <i>Systems and Control Letters</i> , 2000 , 40, 269-277	2.4	5
116	Solutions to disturbance decoupling problem with constant measurement feedback for linear systems. <i>Automatica</i> , 2000 , 36, 1717-1724	5.7	5
115	Smooth quadrotor trajectory generation for tracking a moving target in cluttered environments. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	5
114	Flight Control Law Using Composite Nonlinear Feedback Technique for a Mars Airplane. <i>Journal of Guidance, Control, and Dynamics</i> , 2016 , 39, 2199-2204	2.1	5
113	Design of a Morphable Multirotor Aerial-Aquatic Vehicle 2019 ,		5
112	Optimal Constrained Trajectory Generation for Quadrotors Through Smoothing Splines 2018 ,		5

111	Development of an Autonomous Unmanned Surface Vehicle with Object Detection Using Deep Learning 2018,		5
110	Development of an unmanned aerial vehicle for rooftop landing and surveillance 2015,		4
109	Vision-aided tracking of a moving ground vehicle with a hybrid UAV 2017,		4
108	A smooth hybrid symbolic control for the formation of UAVs over a partitioned space 2013,		4
107	A customized fastslam algorithm using scanning laser range finder in structured indoor environments 2013,		4
106	Graphic interpretations of structural controllability for switched linear systems 2010,		4
105	Development of a comprehensive software system for implementing cooperative control of multiple unmanned aerial vehicles 2009,		4
104	Modeling and analysis of financial markets using system adaptation and frequency domain approach 2009,		4
103	GPS signal enhancement and attitude determination for a mini and low-cost unmanned aerial vehicle. <i>Transactions of the Institute of Measurement and Control</i> , 2011 , 33, 665-682	1.8	4
102	Optimal placement of bearing-only sensors for target localization 2012,		4
101	Midfrequency Runout Compensation in Hard Disk Drives Via a Time-Varying Group Filtering Scheme. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 4769-4779	2	4
100	Design and implementation of a hardware-in-the-loop simulation system for small-scale UAV helicopters 2008,		4
99	Structural decomposition of linear singular systems: the single-input and single-output case. <i>Systems and Control Letters</i> , 2002 , 47, 327-334	2.4	4
98	Necessary and sufficient conditions under which an H ₂ optimal control problem has a unique solution. <i>International Journal of Control</i> , 1993 , 58, 337-348	1.5	4
97	Motor-propeller Matching of Aerial Propulsion Systems for Direct Aerial-aquatic Operation 2019,		4
96	A 3D Rotating Laser-Based Navigation Solution for Micro Aerial Vehicles in Dynamic Environments. <i>Unmanned Systems</i> , 2018 , 06, 297-305	3	4
95	Towards the realtime sampling-based kinodynamic planning for quadcopters 2017,		3
94	A systematic design approach for an unconventional UAV J-Lion with extensible morphing wings 2016,		3

93	Robust autonomous flight and mission management for MAVs in GPS-denied environments 2017 ,		3
92	Full envelope dynamics modeling and simulation for tail-sitter hybrid UAVs 2017 ,		3
91	Dynamically feasible trajectory generation method for quadrotor unmanned vehicles with state constraints 2017 ,		3
90	UAV calligraphy 2014 ,		3
89	Finite-time stabilization of circular formations using bearing-only measurements 2013 ,		3
88	Implementation of formation flight of multiple unmanned aerial vehicles 2010 ,		3
87	Identification of market forces in the financial system adaptation framework 2010 ,		3
86	Flight control design with hierarchical dynamic inversion 2010 ,		3
85	Autonomous Mini-UAV for indoor flight with embedded on-board vision processing as navigation system 2010 ,		3
84	A robust vision system on an unmanned helicopter for ground target seeking and following 2010 ,		3
83	Structural Decomposition and its Properties of Linear Multivariable Singular Systems. <i>Journal of Systems Science and Complexity</i> , 2007 , 20, 198-214	1	3
82	Explicit construction of H _∞ control law for a class of nonminimum phase nonlinear systems. <i>Automatica</i> , 2008 , 44, 738-744	5-7	3
81	Explicit Constructions of Global Stabilization Control Laws for a Class of Nonminimum Phase Nonlinear Systems 2006 ,		3
80	. <i>IEEE Transactions on Automatic Control</i> , 1994 , 39, 1936-1939	5-9	3
79	System Integration of a Vision-Guided UAV for Autonomous Tracking on Moving Platform in Low Illumination Condition		3
78	Survey on the Development of Aerial-Aquatic Hybrid Vehicles. <i>Unmanned Systems</i> , 2021 , 09, 263-282	3	3
77	Nonlinear Flight Control Design for Maneuvering Flight of Quadrotors in High Speed and Large Acceleration 2018 ,		3
76	Systematic Design Methodology and Construction of Micro Aerial Quadrotor Vehicles 2015 , 181-206		2

75	An autonomous quadrotor for indoor exploration with laser scanner and depth camera 2016,		2
74	Hydrodynamic modelling for a small-scale underwater vehicle using computational fluid dynamics 2017,		2
73	Model based robust forward transition control for tail-sitter hybrid unmanned aerial vehicles 2017,		2
72	Wide area surveillance of urban environments using multiple Mini-VTOL UAVs 2015,		2
71	An indoor unmanned coaxial rotorcraft system with vision positioning 2010,		2
70	Minimum-time trajectory planning for helicopter UAVs using computational dynamic optimization 2012,		2
69	Developments in hybrid modeling and control of Unmanned Aerial Vehicles 2009,		2
68	Direct computation of infimum in discrete-time H _∞ optimization using measurement feedback. <i>Systems and Control Letters</i> , 1998 , 35, 269-278	2.4	2
67	Servo Control Design for a High TPI Servo Track Writer With Microactuators. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 2227-2234	2	2
66	Construction, modeling and control of a mini autonomous UAV helicopter 2008,		2
65	Enhanced disturbance suppression in sampled-data systems and its application to high density data storage servos. <i>Microsystem Technologies</i> , 2007 , 13, 911-921	1.7	2
64	Interconnection of Kronecker canonical form and special coordinate basis of multivariable linear systems. <i>Systems and Control Letters</i> , 2008 , 57, 28-33	2.4	2
63	Generalized Composite Nonlinear Feedback Control Technique to Track Non-step References 2006,		2
62	COMPOSITE NONLINEAR FEEDBACK CONTROL FOR A CLASS OF NONLINEAR SYSTEMS WITH INPUT SATURATION. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 622-627		2
61	Explicit solvability conditions for the general discrete-time H infinity almost disturbance decoupling problem with internal stability. <i>International Journal of Systems Science</i> , 1999 , 30, 105-115	2.3	2
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